

SEQUENCE LISTING

<110> Jackson, W. James
Harris, Andrea M.

<120> NEISSERIA SPP. POLYPEPTIDE, NUCLEIC ACID AND USES
THEREOF

<130> 7969-082

<140>

<141>

<160> 10

<170> PatentIn Ver. 2.0

<210> 1

<211> 46

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

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46

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

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<210> 3

<211> 1395

<212> DNA

<213> Neisseria gonorrhoeae

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<210> 4
 <211> 465
 <212> PRT
 <213> Neisseria gonorrhoeae

<400> 4

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Lys	Glu	Ala	Ser	Phe	Val	Glu	Arg	Ile	Glu	His	Thr	Lys	Asp	Asp	Gly
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Ser	Val	Ser	Met	Leu	Leu	Pro	Asp	Phe	Ala	Gln	Leu	Val	Gln	Ser	Glu
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 Ile Asn Pro Gly Asn Ser Gly Gly Pro Leu Phe Asn Leu Lys Gly Gln
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 Val Val Gly Ile Asn Ser Gln Ile Tyr Ser Arg Ser Gly Gly Phe Met
 260 265 270
 Gly Ile Ser Phe Ala Ile Pro Ile Asp Val Ala Met Asn Val Ala Glu
 275 280 285
 Gln Leu Lys Asn Thr Gly Lys Val Gln Arg Gly Gln Leu Gly Val Ile
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 Ile Gln Glu Val Ser Tyr Gly Leu Ala Gln Ser Phe Gly Leu Asp Lys
 305 310 315 320
 Ala Ser Gly Ala Leu Ile Ala Lys Ile Leu Pro Gly Ser Pro Ala Glu
 325 330 335
 Arg Ala Gly Leu Gln Ala Gly Asp Ile Val Leu Ser Leu Asp Gly Gly
 340 345 350
 Glu Ile Arg Ser Ser Gly Asp Leu Pro Val Met Val Gly Ala Ile Thr
 355 360 365
 Pro Gly Lys Glu Val Ser Leu Gly Val Trp Arg Lys Gly Glu Glu Ile
 370 375 380
 Thr Ile Lys Ala Lys Leu Gly Asn Ala Ala Glu His Thr Gly Ala Ser
 385 390 395 400
 Ser Lys Thr Asp Glu Ala Pro Tyr Thr Glu Gln Gln Ser Gly Thr Phe
 405 410 415
 Ser Val Glu Ser Ala Gly Ile Thr Leu Gln Thr His Thr Asp Ser Ser
 420 425 430
 Gly Lys (His) Leu Val Val Val Arg Val (Ser) Asp Ala Ala Glu Arg Ala
 435 440 445
 Gly Leu Arg (His) Gly (Asp) Glu Ile Leu Ala Val Arg Ala (Ser) Pro Arg
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 Gln
 465

<210> 5
 <211> 1242
 <212> DNA
 <213> Neisseria gonorrhoeae
 <400> 5

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<210> 6

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<213> Neisseria gonorrhoeae

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Gly Asn Ala Glu Thr Asp Ser Asp Pro Leu Ala Asp Ser Asp Pro Phe
      35             40             45

Tyr Glu Phe Phe Lys Arg Leu Val Pro Asn Met Pro Glu Ile Pro Gln
      50             55             60

Glu Glu Ala Asp Asp Gly Gly Leu Asn Phe Gly Ser Gly Phe Ile Ile
      65             70             75             80

Ser Lys Asn Gly Tyr Ile Leu Thr Asn Thr His Val Val Ala Gly Met
      85             90             95

Gly Ser Ile Lys Val Leu Leu Asn Asp Lys Arg Glu Tyr Thr Ala Lys
      100            105            110

Leu Ile Gly Ser Asp Val Gln Ser Asp Val Ala Leu Leu Lys Ile Asp
      115            120            125

Ala Thr Glu Glu Leu Pro Val Val Lys Ile Gly Asn Pro Lys Asn Leu
      130            135            140

Lys Pro Gly Glu Trp Val Ala Ala Ile Gly Ala Pro Phe Gly Phe Asp
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Asn Ser Val Thr Ala Gly Ile Val Ser Ala Lys Gly Arg Ser Leu Pro
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 Asn Glu Ser Tyr Thr Pro Phe Ile Gln Thr Asp Val Ala Ile Asn Pro
 180 185 190
 Gly Asn Ser Gly Gly Pro Leu Phe Asn Leu Lys Gly Gln Val Val Gly
 195 200 205
 Ile Asn Ser Gln Ile Tyr Ser Arg Ser Gly Gly Phe Met Gly Ile Ser
 210 215 220
 Phe Ala Ile Pro Ile Asp Val Ala Met Asn Val Ala Glu Gln Leu Lys
 225 230 235 240
 Asn Thr Gly Lys Val Gln Arg Gly Gln Leu Gly Val Ile Ile Gln Glu
 245 250 255
 Val Ser Tyr Gly Leu Ala Gln Ser Phe Gly Leu Asp Lys Ala Ser Gly
 260 265 270
 Ala Leu Ile Ala Lys Ile Leu Pro Gly Ser Pro Ala Glu Arg Ala Gly
 275 280 285
 Leu Gln Ala Gly Asp Ile Val Leu Ser Leu Asp Gly Gly Glu Ile Arg
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 Ser Ser Gly Asp Leu Pro Val Met Val Gly Ala Ile Thr Pro Gly Lys
 305 310 315 320
 Glu Val Ser Leu Gly Val Trp Arg Lys Gly Glu Glu Ile Thr Ile Lys
 325 330 335
 Ala Lys Leu Gly Asn Ala Ala Glu His Thr Gly Ala Ser Ser Lys Thr
 340 345 350
 Asp Glu Ala Pro Tyr Thr Glu Gln Gln Ser Gly Thr Phe Ser Val Glu
 355 360 365
 Ser Ala Gly Ile Thr Leu Gln Thr His Thr Asp Ser Ser Gly Lys His
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Ser Val Ser
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<210> 8
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